

UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE

REGION 6

OKANOGAN - WENATCHEE NATIONAL FORESTS

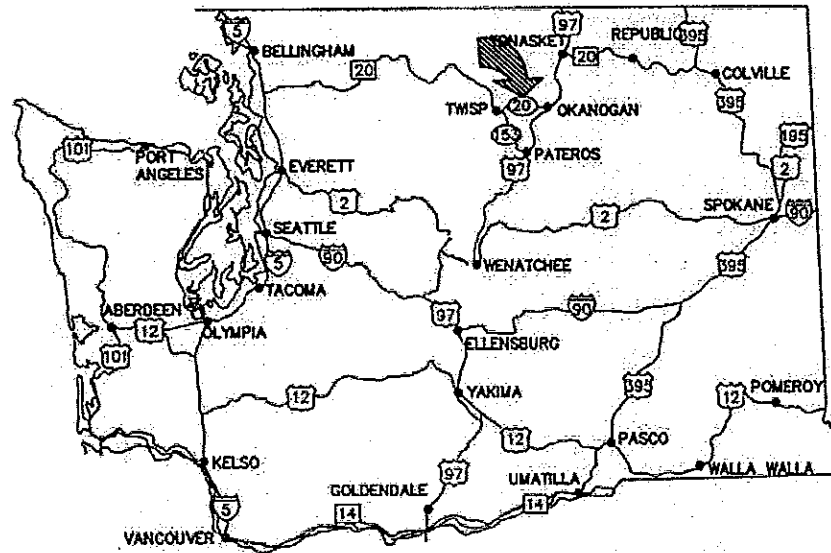
Methow Valley Ranger District

CONSTRUCTION DRAWINGS FOR

Benzer Stwd

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE
2	VICINITY MAP
3-6	ESTIMATE OF QUANTITIES
7	NOTES, SYMBOLS & TYPICAL DETAILS
8	ROAD STRUCTURE DETAILS
9	CLEARING DETAILS
10	DRAINAGE LISTING &
	CONSTRUCTION DETAILS
11	DRAIN DIP DETAILS
12-14	WORK DESCRIPTIONS



KEY MAP OF WASHINGTON SHOWING LOCATION OF PROJECT

ROAD NO.	LENGTH MILES	RECONST./CONST.	SHEET NO.
4100 100	1.22	RECONST	12
4100 185	1.39	RECONST	12
4100 195	1.07	RECONST	12
4100 400	0.34	RECONST	12
4100 425	1.35	RECONST	12
4100 485	0.05	RECONST	12
4100 487	0.19	RECONST	12
4100 489	0.20	RECONST	12
4100 493	0.29	RECONST	12
4100 495	0.37	RECONST	13
4100 760	0.27	RECONST	13

ROAD NO.	LENGTH MILES	RECONST./CONST.	SHEET NO.
4100 770	0.13	RECONST	13
4150 000	5.42	RECONST	13
4150 100	0.41	RECONST	13
4150 180	0.24	RECONST	13
4150 300-I	0.69	RECONST	14
4150 300-II	0.38	RECONST	14
4150 310	0.66	RECONST	14
4150 400	0.19	RECONST	14
4200 103	0.26	RECONST	14
4205 110	1.45	RECONST	14

TOTAL CONSTRUCTION 0 MILES
TOTAL RECONSTRUCTION 16.26 MILES

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
R-6
PACIFIC NORTHWEST REGION

Reviewed and Approved By
District Ranger
Forest Engineer
3/30/16
3/30/16

Recommended and Approved By
Zone Engineer
Date

Designed By
Reviewed By
3/29/16
3/29/16

Sheet

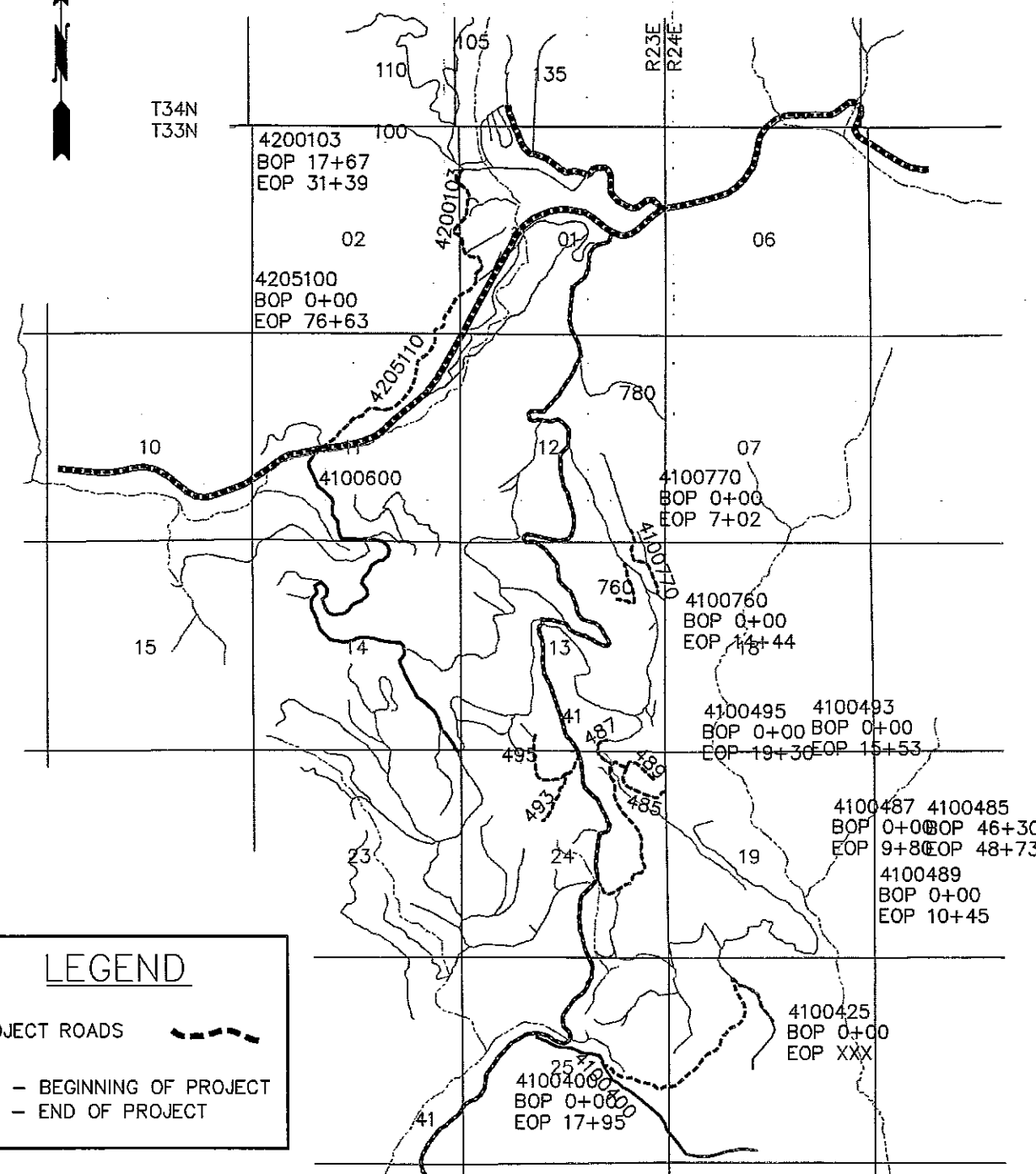
Title

Sheet

1



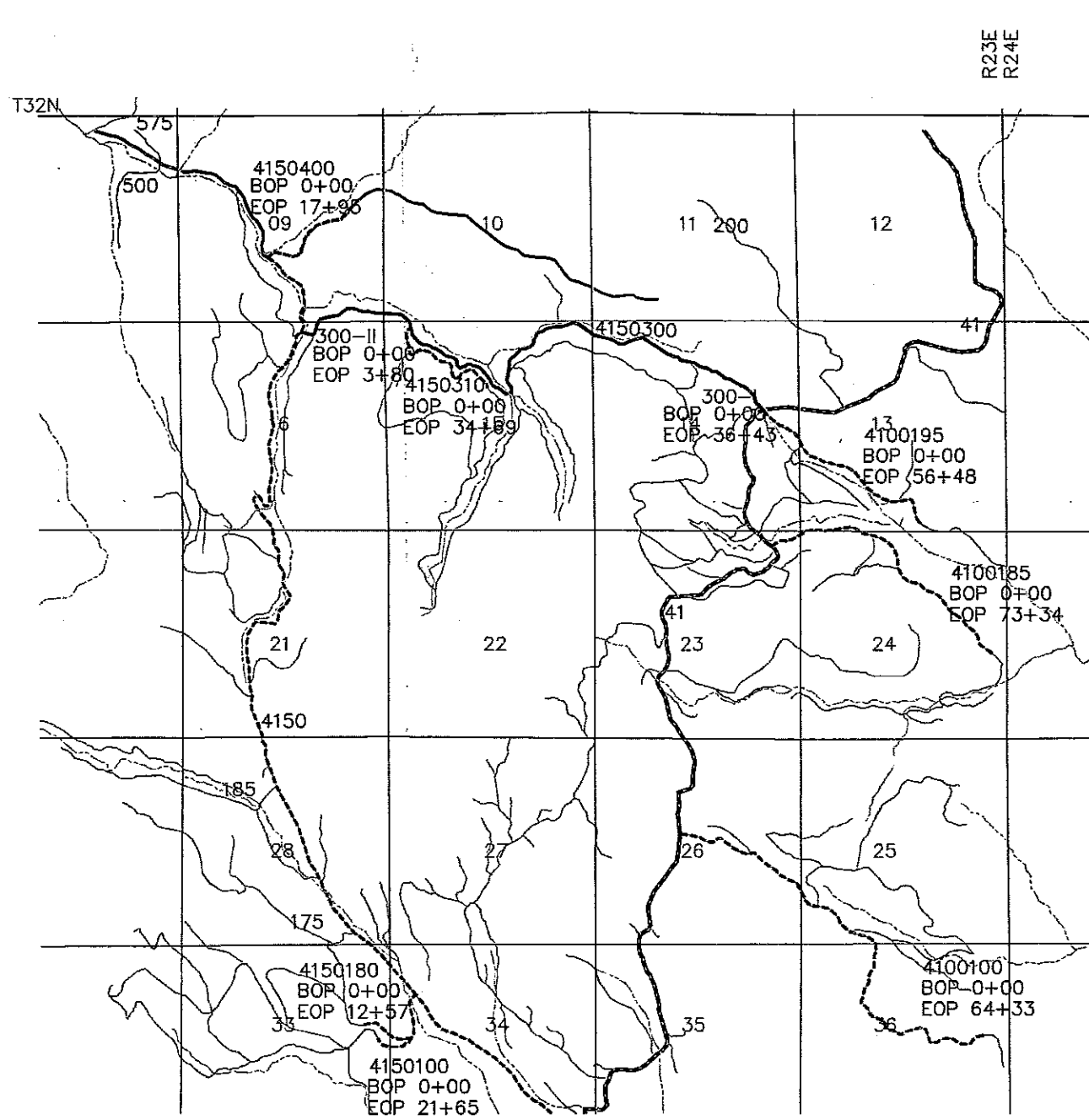
NORTH HALF



LEGEND

PROJECT ROADS
BOP - BEGINNING OF PROJECT
EOP - END OF PROJECT

SOUTH HALF



ESTIMATE OF QUANTITIES

Sheet 3
BENZER STWD

[illegible]

ESTIMATE OF QUANTITIES

Sheet 4
BENZER STWD

[illegible]

ESTIMATE OF QUANTITIES

Sheet 5
BENZER STWD

[illegible]

[illegible][illegible]

Notes, Symbols & Typical Details

DISPOSAL OF MERCHANTABLE TIMBER (TIMBER MEETING UTILIZATION STANDARDS):

Merchantable timber (timber Meeting Utilization Standards) shall be decked in locations shown on drawings, within reach of standard loading equipment.

To meet minimum tree specifications, trees must be equal or exceed 7-inches DBH and contain at least one minimum piece. Such timber shall be felled and bucked into log lengths not exceeding 52 ft. Pieces (logs) shall also be considered as meeting Utilization Standards, and be required to be decked, when such pieces would have met Utilization Standards if bucking lengths were varied to include such material. Merchantable timber shall be limbed and bucked. Log decks shall be free of slash and debris. Material not meeting Utilization Standards, including any material remaining after deck removal, shall be disposed of as other construction slash pursuant to Specification 201.04.

MINIMUM UTILIZATION STANDARDS:

SEE AT.2- Volume Estimate and Utilization Standards.

DISPOSAL OF UNMERCHANTABLE TIMBER: Logs not meeting Utilization Standards which are suitable for use as firewood, may be scattered and decked. Material not suitable for firewood shall be treated by other slash methods.

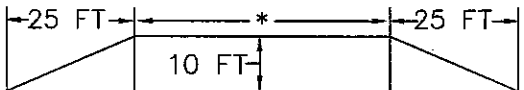
STAKES: All stakes shall have the following minimum nominal dimensions. Hubs shall be 2 in. X 2 in. X 8 in. Guard, reference, slope, and other stakes shall be 0.3 in. X 1.5 in. X 18 in. Lath shall be 0.4 in. X 1.5 in. X 3 ft. Other dimensions and materials may be used, such as steel reinforcing bars and metal pins, if approved by the Engineer. The color of paint or flagging, as well as the colors for use on stakes for clearing, reference, structures, and slope staking shall be fluorescent orange. Other colors may be used if approved in writing by the Engineer.

SYMBOLS

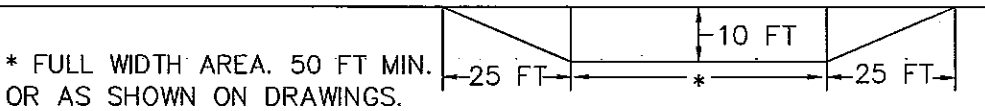
DESCRIPTION

BOP, EOP	BEGINNING OF PROJECT, END OF PROJECT
CW	CURVE WIDENING
FW	FULL WIDTH AREA*
TOL, TOR, TOS	TURNOUT LEFT/RIGHT/SPLIT
V	DRAIN DIP
LOD	LEAD-OUT DITCH
& O	CULVERT (EXISTING)
& ●	CULVERT (INSTALL)

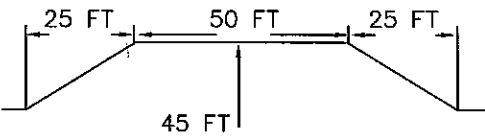
TURNOUT



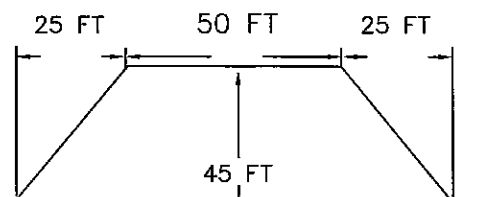
ROAD



TURNAROUND

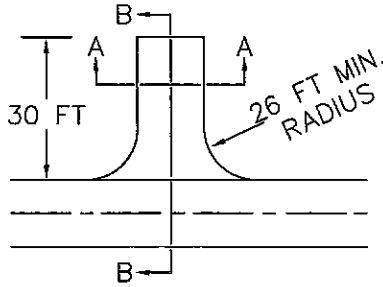


SPLIT

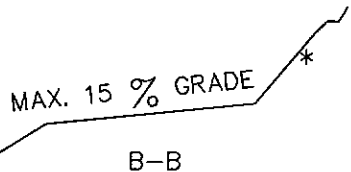


LT./RT.

"J" HOLE



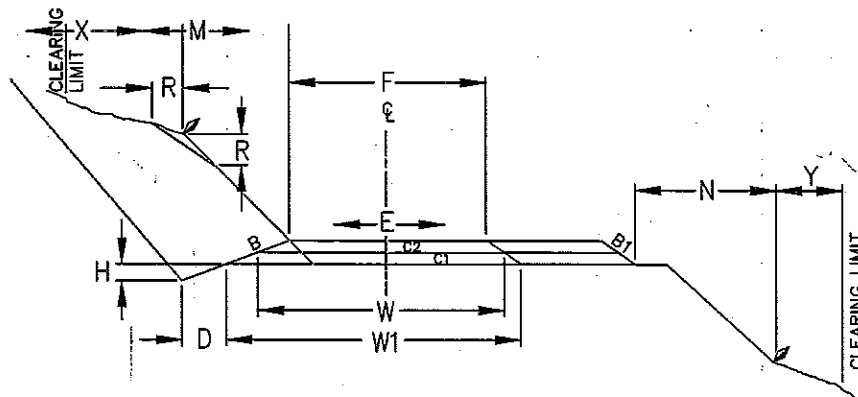
A-A



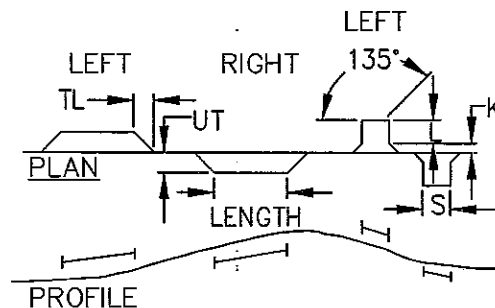
B-B

* BACKSLOPES SHALL CONFORM TO CONSTRUCTION TOLERANCES ON ROAD STRUCTURE DETAILS SHEET.

CROSS SECTION



TURNOUT & TURNAROUND SYMBOLS



Road Structure Details

- (1) CURVE WIDENING, WHEN SPECIFIED, SHALL BE ADDED TO THE INSIDE OF THE CURVE.
- (2) ROADBED WIDTH, FILL WIDENING, TURNOUT LENGTHS, FILL AND BACKSLOPE RATION SHALL BE AS SPECIFIED IN CONSTRUCTION STAKING NOTES AND/OR DRAWINGS.
- (3) SEEDING, FERTILIZING AND/OR MULCHING AREA INCLUDES N, X & Y SHOWN ON THE TYPICALS AND ALL OTHER AREAS DISTURBED BY CONSTRUCTION (INCLUDES BURN BAYS AND DECKING AREAS).
- (4) TURNOUTS, TURNAROUNDS AND CURVE WIDENING SHALL BE SURFACED TO THE SAME DEPTH AS THE TRAVELED WAY AND TO THE DIMENSIONS SPECIFIED IN CONSTRUCTION STAKING NOTES AND/OR DRAWINGS.
- (5) ROADBED TEMPLATE TYPES ARE SHOWN ON THE DRAWINGS AND SHALL BE CONSTRUCTED TO THE FOLLOWING TOLERANCE:

OUTSLOPE (OUT): 0 TO 5 %
 INSLOPE (IN): 2 TO 5 %
 CROWN (CR): 2 TO 4 %

- (6) FINISHING ROADBED:
 - d. ROCKS PROTRUDING MORE THAN 4 INCHES ABOVE THE SUBGRADE SHALL BE REDUCED TO THE FINISHED SUBGRADE OR REMOVED. NO OVERSIZE MATERIAL SHALL BE LEFT ON THE SHOULDERS OR IN THE DITCHES. OVERSIZE MATERIAL IS DEFINED AS ROCKS 2 INCHES OR GREATER IN DIMENSION.
- (7) DITCHES ARE TO BE CONSTRUCTED WHERE NOTED ON THE WORK DESCRIPTION SHEETS OR PLAN AND PROFILE SHEETS.

(SP) CONSTRUCTION TOLERANCE: WHERE CONSTRUCTION STAKES ARE NOT SPECIFIED AND CLEARING LIMIT MARKING IS THE ONLY CONTROL REQUIRED, THE FOLLOWING SHALL GOVERN, UNLESS OTHERWISE SHOWN ON THE DRAWINGS. GRUB STUMPS WITHIN THE ROADWAY AND IN ACCORDANCE WITH FP-03 SPEC. 201.05

ROADBED WIDTH: as shown in column "W", plus curve widening, turnout widths, and fill widening.

CENTERLINE ALIGNMENT - 50 FOOT MINIMUM RADIUS CURVE.
 GRADE - CHANGE BETWEEN GRADES SHALL BE UNIFORM AND NOT EXCEED 10 PERCENT IN 25 FEET.

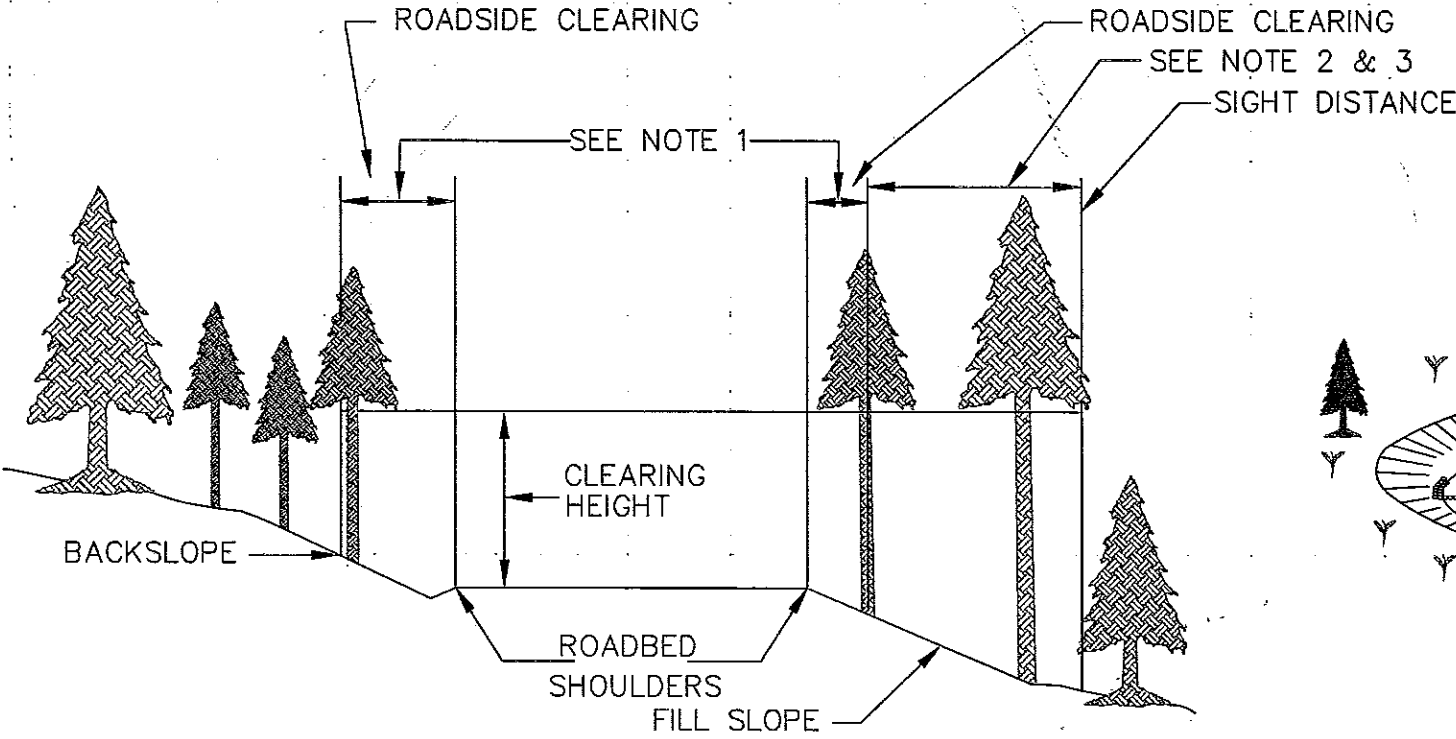
MAXIMUM GRADE: - 10 PERCENT FAVORABLE
 - 15 PERCENT ADVERSE

FILL - NATURAL CATCH OBTAINED USING SIDE CAST CONSTRUCTION METHOD.

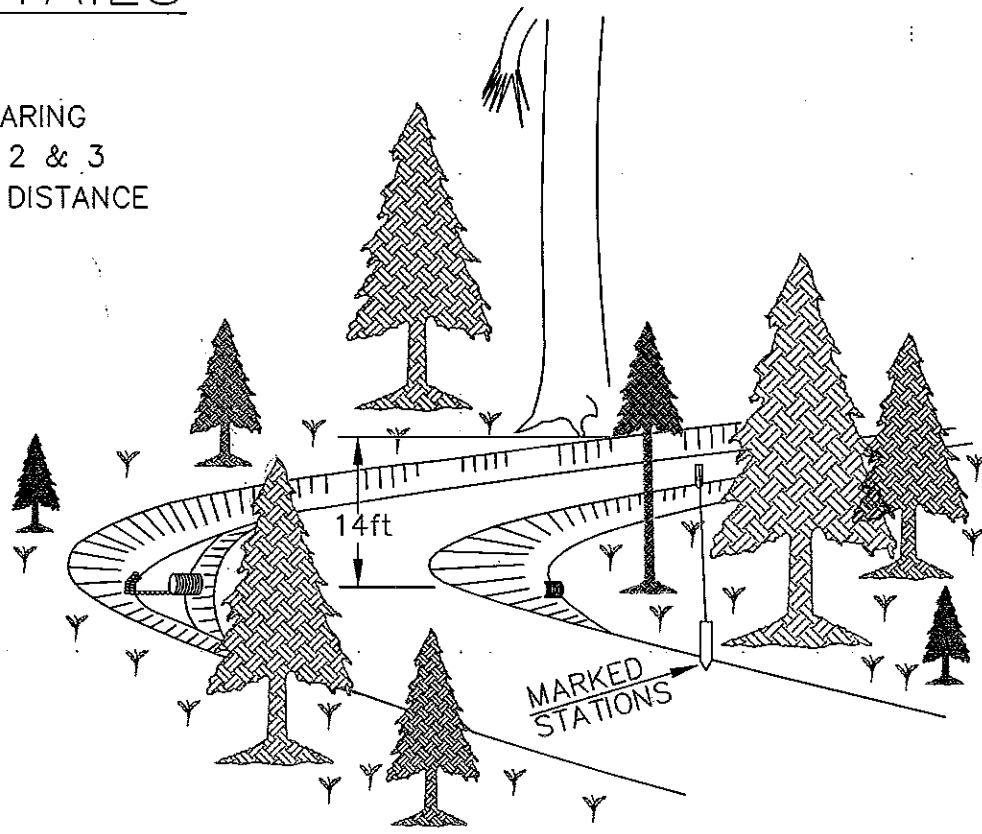
BACKSLOPE - COMMON 2 V : 1 H, ON FLAT GROUND, CUTS UNDER 3 FEET
 COMMON 1 V : 1 H, UNDER 55% TO 3/4 V : 1 H, OVER 55%
 RIPPABLE 1/2 V : 1 H
 SOLID 1/4 V : 1 H

ROAD NUMBER	SEGMENT	STATION or MILE POST TO STATION or MILE POST	CLEARING				GRADING												PAVEMENT STRUCTURE										
			WHICHEVER IS GREATER ft.			CONSTRUCTION TOLERANCE	ROADBED WIDTH	SLOPE ROUNDING	DITCH	DIMENSIONS	TURNOUT		TURNAROUND			TRAVELED WAY WIDTH	GRADATION		COMPACTED DEPTH		SLOPE RATIO								
			MINIMUM BEYOND SHOULDER	BEYOND SLOPE STAKE							WIDTH	TRANSITION LENGTH	TAPER	LENGTH	WIDTH		C1	C2	C1	C2	B	B1							
				X	Y																								
				E	W																		W1	R	D	H	UT	TL	K
4100 100		0+00	64+33		5	1	SP		6d	14					10	25	26	30	16										
4100 185		0+00	73+34		5	1	SP		6d	12					10	25	26	30	16										
4100 195		0+00	56+48		5	1	SP		6d	12					10	25	26	30	16										
4100 400		0+00	17+95		5	1	SP		6d	12					10	25	26	30	16										
4100 425		43+71	114+96		5	1	SP		6d	12					10	25	26	30	16										
4100 485		46+30	48+73		5	1	SP		6d	12					10	25	26	30	16										
4100 487		0+00	9+80		5	1	SP		6d	12					10	25	26	30	16										
4100 489		0+00	10+45		5	1	SP		6d	12					10	25	26	30	16										
4100 493		0+00	15+53		5	1	SP		6d	12					10	25	26	30	16										
4100 495		0+00	19+30		5	1	SP		6d	12					10	25	26	30	16										
4100 760		0+00	14+44		5	1	SP		6d	12					10	25	26	30	16										
4100 770		0+00	7+02		5	1	SP		6d	12					10	25	26	30	16										
4150 000		126+50	412+80		5	1	SP		6d	16		3	1		10	25	26	30	16										
4150 100		0+00	21+65		5	1	SP		6d	14		3	1		10	25	26	30	16										
4150 180		0+00	12+57		5	1	SP		6d	12					10	25	26	30	16										
4150 300	I	0+00	36+43		5	1	SP		6d	16		3	1		10	25	26	30	16										
4150 300	II	0+00	3+80		5	1	SP		6d	16		3	1		10	25	26	30	16										
4150 310		0+00	34+69		5	1	SP		6d	12					10	25	26	30	16										
4150 400		0+00	10+00		5	1	SP		6d	14		3	1		10	25	26	30	16										
4200 103		0+00	7+36		5	1	SP		6d	12					10	25	26	30	16										
4205 110		0+00	76+63		5	1	SP		6d	12					10	25	26	30	16										

CLEARING DETAILS



CLEARING LIMITS TYPICAL
NO SCALE



SIGHT DISTANCE TYPICAL
NO SCALE

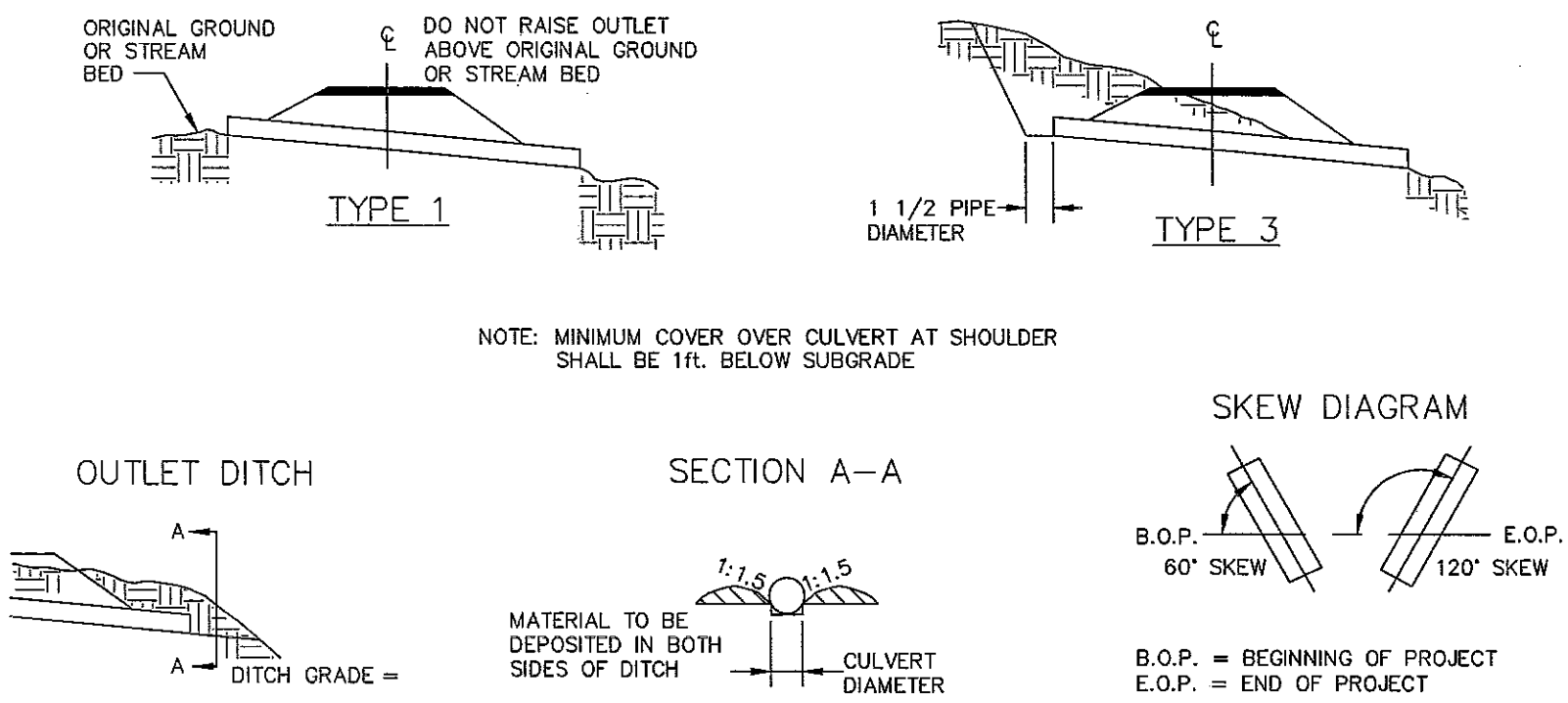
NOTES

1. ALL CONIFERS, HARDWOODS AND BRUSH WITHIN 1 FOOT OF THE OUTSIDE SHOULDER OF THE ROAD AND 5 FEET FROM THE BOTTOM OF THE DITCH OR INSIDE SHOULDER SHALL BE REMOVED.
2. THE AREA OF SIGHT DISTANCE CLEARING WILL BE FROM THE ROADSIDE CLEARING LIMIT, TO A LINE OF SIGHT BETWEEN THE BEGINNING AND ENDING STATIONS MARKED ON THE GROUND. CONIFERS WITHIN THIS AREA SHALL BE THINNED TO APPROXIMATELY A 12 FEET TRUNK SPACING, EXCEPT WHERE MARKED WITH PAINT OR FLAGGING FOR REMOVAL TO AN ALTERNATE SPACING. ALL HARDWOODS & BRUSH WITHIN THESE LIMITS SHALL BE REMOVED.
3. BRANCHES ON REMAINING CONIFERS SHALL BE TRIMMED FROM GROUND LEVEL TO A CLEARING HEIGHT LIMIT 14 FEET ABOVE THE ROADBED OR TO A LIMIT OF 60% OF THE TREE'S HEIGHT, WHICHEVER IS LESS. LIMBS OF VEGETATION SHALL BE CUT SO AS TO NOT PROTRUDE WITHIN THE CLEARING LIMITS.

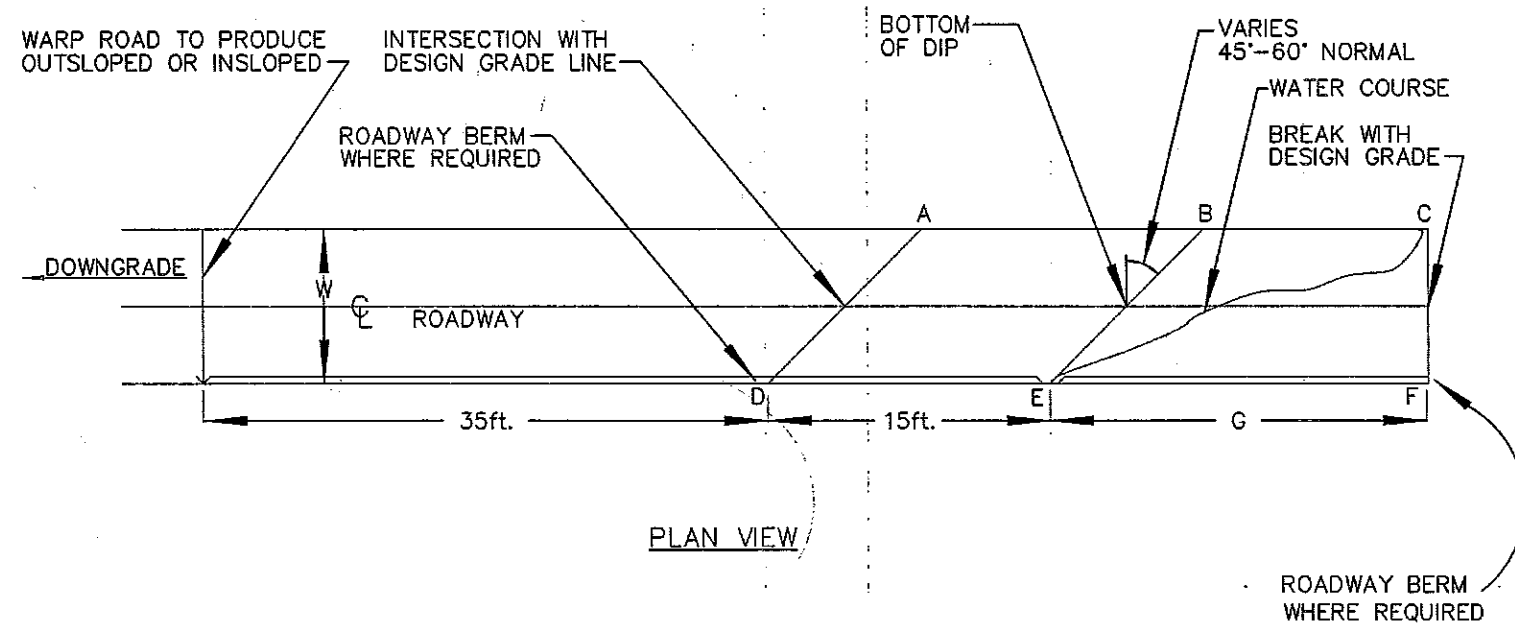
DRAINAGE LISTING

	DESIGNED		ALLOWABLE ALTERNATES						INSTALLATION DETAILS			MISCELLANEOUS ITEMS						REMARKS
ROAD NUMBER	STATION OR MILE POST	LENGTH FT.	GALVANIZED STEEL 2-2/3" X 1/2"		ALUMINUM 2-2/3" X 1/2"		ALUMINUM STEEL 2-2/3" X 1/2"		TYPE	SKEW	GRADE	DITCH DAM	OUTLET APRON	OUTLET DITCH	LEFT OR RIGHT	GASKET	PIPE ELBOW	
			DIA.	THICK-NESS	DIA.	THICK-NESS	DIA.	THICK-NESS										
4100425	107+22	38	42X29	.064	42X29	.052			1	*	*							ALL LOCATIONS WILL BE STAKED BY THE ER
																		GRADE AND SKEW SHALL MATCH EXISTING GRADE LINE

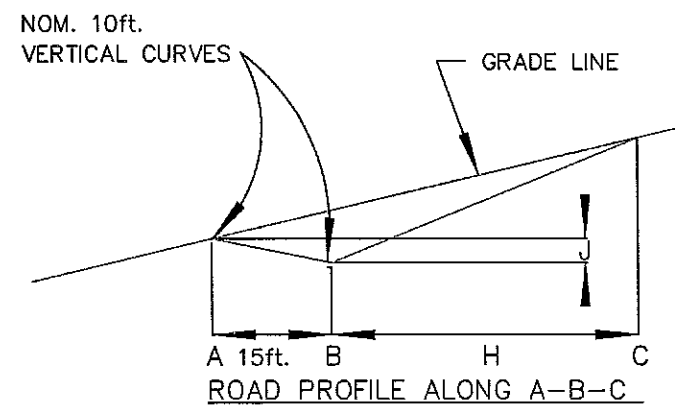
DRAINAGE CONSTRUCTION DETAILS



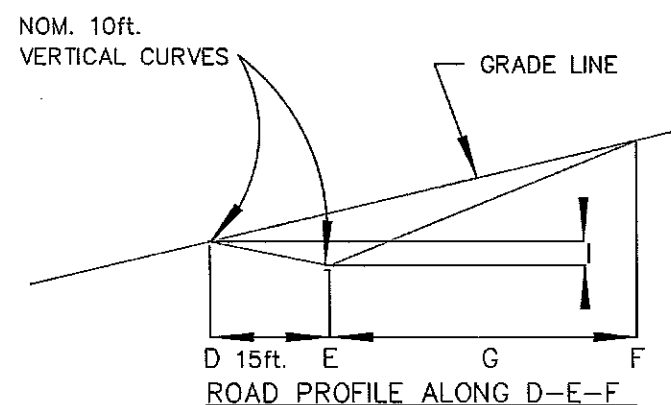
DRAIN DIP DETAILS



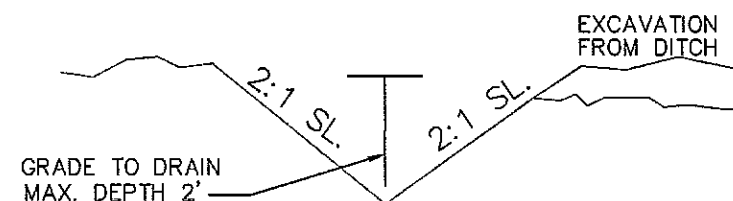
PLAN VIEW



ROAD PROFILE ALONG A-B-C



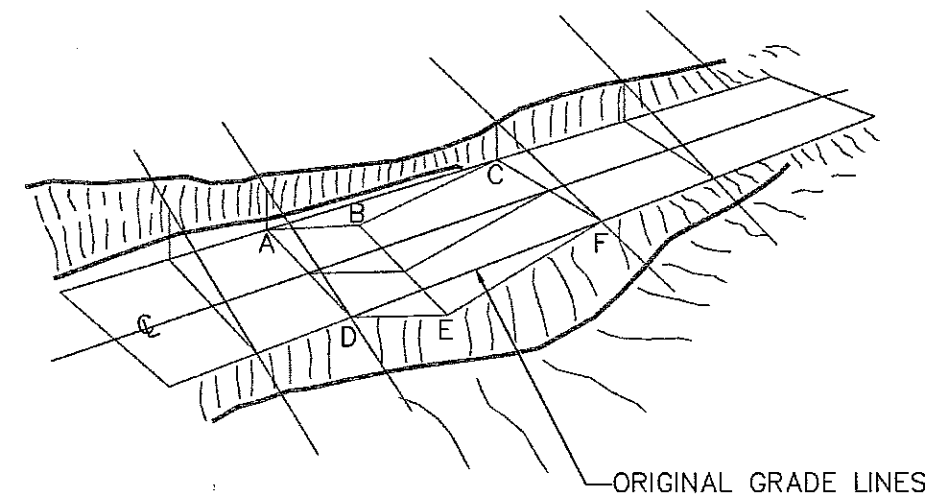
ROAD PROFILE ALONG D-E-F



TYPICAL SECTION LEAD-OFF DITCH

ALL NUMBERS ARE IN FEET
UNLESS STATED OTHERWISE

%	W=12ft. TO 14ft.				W=24ft.			
	LENGTH		DEPTH		LENGTH		DEPTH	
ROAD GRADE	G	H	I	J	G	H	I	J
UNDER 3	62	50	0.66	0.30	74	50	1.15	0.30
7	72	60	0.66	0.20	84	60	1.25	0.20
9	82	70	0.66	0.10	94	70	1.31	0.10



PERSPECTIVE VIEW

NOTE: PLAN SHOWN IS FOR OUTSLOPED ROLLING DIP. DIPS MAY BE EITHER INSLOPED OR OUTSLOPED. WHEN INSLOPED, DIPS SHALL DISCHARGE INTO A CULVERT, DROP INLET, OVERSIDE DRAIN OR ONTO NATURAL GROUND. THE MINIMUM CROSS GRADE FROM "B" TO "E" IS 4% GREATER THAN THE ORIGINAL ROAD GRADE.

ROAD NO. 4100 100

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. 4100 BEGIN ROAD RECONDITIONING BEGIN BRUSHING
35+32	CONSTRUCT DRAIN DIP
40+08	CONSTRUCT DRAIN DIP
64+33	END ROAD RECONDITIONING END BRUSHING END PROJECT

ROAD NO. 4100185

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. 4100 BEGIN ROAD RECONDITIONING
0+95	REMOVE EARTHEN BARRIER
41+86	CLEAN CULVERT
51+35	REMOVE EARTHEN BARRIERS
56+40	BEGIN CLEARING & GRUBBING
68+22	BEGIN CONSTRUCT ARMORED DRAIN DIP. AT LOW POINT, EXCAVATE 1.5 FT DOWN. PLACE CLASS 1 RIPRAP, 6 IN. DEEP X 12 FT. WIDTH.
68+57	END ARMORED DRAIN DIP
73+34	END ROAD RECONDITIONING END CLEARING AND GRUBBING END PROJECT

ROAD NO. 4100 195

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. 4100 BEGIN ROAD RECONDITIONING
14+91	CONSTRUCT DRAIN DIP
56+48	END ROAD RECONDITIONING END PROJECT

ROAD NUMBER 4100 400

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. 4100 BEGIN ROAD RECONDITIONING
17+95	END ROAD RECONDITIONING END PROJECT

ROAD NUMBER 4100 425

STA.	WORK DESCRIPTION
114+96	BEGIN PROJECT AT INT. RD4100400 BEGIN ROAD RECONDITIONING BEGIN CLEARING REMOVE EARTHEN BARRIER
113+46	CONSTRUCT DRAIN DIP
111+14	CONSTRUCT DRAIN DIP
109+26	CONSTRUCT DRAIN DIP
107+22	INSTALL 42"X29"X38' CMP
101+17	CONSTRUCT DRAIN DIP
96+76	CONSTRUCT DRAIN DIP
93+75	CONSTRUCT DRAIN DIP
91+03	CONSTRUCT DRAIN DIP
88+50	CONSTRUCT DRAIN DIP
86+47	CONSTRUCT DRAIN DIP
83+47	CONSTRUCT DRAIN DIP
79+50	CONSTRUCT DRAIN DIP
77+16	CONSTRUCT DRAIN DIP
74+41	CONSTRUCT DRAIN DIP
72+03	CONSTRUCT DRAIN DIP
64+69	CONSTRUCT DRAIN DIP
58+85	CONSTRUCT DRAIN DIP
43+71	CONSTRUCT DRAIN DIP END ROAD RECONDITIONING END CLEARING AND GRUBBING END PROJECT

ROAD NUMBER 4100 485

STA.	WORK DESCRIPTION
0+00	ROAD BEGINS AT INT. 4100
46+30	BEGIN PROJECT BEGIN AGGREGATE 4" COMPACTED DEPTH X 16' WIDE X 243' LONG
48+73	END COMPACTED AGGREGATE PLACEMENT END PROJECT

ROAD NUMBER 4100 487

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4100485 BEGIN ROAD RECONDITIONING BEGIN CLEARING
9+80	END ROAD RECONDITIONING END CLEARING END PROJECT

ROAD NUMBER 4100 489

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4100485 BEGIN ROAD RECONDITIONING BEGIN CLEARING
0+67	REMOVE EARTHEN BARRIER
10+45	END ROAD RECONDITIONING END CLEARING END PROJECT

ROAD NUMBER 4100 493

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4100 BEGIN ROAD RECONDITIONING BEGIN CLEARING
15+53	END ROAD RECONDITIONING END CLEARING END PROJECT

ROAD NUMBER 4100 495

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4100493
	BEGIN ROAD RECONDITIONING
	BEGIN CLEARING
19+30	END ROAD RECONDITIONING
	END CLEARING
	END PROJECT

ROAD NUMBER 4100 760

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4100750
	BEGIN ROAD RECONDITIONING
	BEGIN CLEARING
1+06	REMOVE EARTHEN BARRIER
14+44	END ROAD RECONDITIONING
	END CLEARING
	END PROJECT

ROAD NUMBER 4100 770

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4100750
	BEGIN ROAD RECONDITIONING
	BEGIN CLEARING
0+99	REMOVE EARTHEN BARRIER
7+02	END ROAD RECONDITIONING
	END CLEARING
	END PROJECT

ROAD NUMBER 4150 000

STA.	WORK DESCRIPTION
(0+00	ROAD BEGINS AT INTERSECTION OF FS RD) 4150200 & COUNTY RD 1703)
126+50	BEGIN PROJECT @ RD 4150400
	BEGIN DITCH RECONDITIONING, LEFT
129+50	CLEAN CULVERT
138+05	END DITCH RECONDITIONING, LEFT
	CLEAN CULVERT
139+77	BEGIN DITCH RECONDITIONING, LEFT
142+99	END DITCH RECONDITIONING, LEFT
(143+15	BENSON CR CULVERT)
145+14	BEGIN DITCH RECONDITIONING, RIGHT
148+01	(MP 5) CLEAN CULVERT
153+98	CLEAN CULVERT
159+27	CLEAN CULVERT
164+65	CLEAN CULVERT
170+89	CLEAN CULVERT
179+53	CLEAN CULVERT
183+60	CLEAN CULVERT
190+75	CLEAN CULVERT
194+23	END DITCH RECONDITIONING, RIGHT
197+42	BEGIN DITCH RECONDITIONING, LEFT
(199+60	MP 4)
201+32	BEGIN DITCH RECONDITIONING, RIGHT
203+80	END DITCH RECONDITIONING, LEFT
214+74	CLEAN CULVERT
227+40	BEGIN DITCH RECONDITIONING, LEFT
	END DITCH RECONDITIONING, RIGHT
231+05	CLEAN CULVERT
238+80	BEGIN CLEARING AND GRUBBING
242+75	CLEAN CULVERT
253+80	CLEAN CULVERT
258+41	CLEAN CULVERT
267+53	END DITCH RECONDITIONING, LEFT
	BEGIN DITCH RECONDITIONING, RIGHT
269+13	END DITCH RECONDITIONING, RIGHT
	BEGIN DITCH RECONDITIONING, LEFT
271+80	END DITCH RECONDITIONING, LEFT
272+86	BEGIN DITCH RECONDITIONING, LEFT
274+64	END DITCH RECONDITIONING, LEFT
	BEGIN DITCH RECONDITIONING, RIGHT
277+21	CLEAN CULVERT
277+89	BEGIN DITCH RECONDITIONING, LEFT
284+80	CLEAN CULVERT
	END DITCH RECONDITIONING, RIGHT

299+16	END DITCH RECONDITIONING, LEFT
302+00	CLEAN CULVERT
	BEGIN DITCH RECONDITIONING, RIGHT
318+17	CLEAN CULVERT
335+32	CLEAN CULVERT
340+65	CLEAN CULVERT
345+13	BEGIN DITCH RECONDITIONING, LEFT
348+13	END DITCH RECONDITIONING, LEFT
	END DITCH RECONDITIONING, RIGHT
350+70	BEGIN DITCH RECONDITIONING, LEFT
355+33	CLEAN CULVERT
360+47	CLEAN CULVERT
368+19	END DITCH RECONDITIONING, LEFT
371+19	BEGIN DITCH RECONDITIONING, LEFT
381+00	END DITCH RECONDITIONING, LEFT
385+10	BEGIN DITCH RECONDITIONING, RIGHT
388+62	CLEAN CULVERT
397+75	CLEAN CULVERT
410+00	CLEAN CULVERT
	RECONDITION LEADOFF DITCH, LEFT
412+80	INTERSECTION LEFT, FS RD 41
	END DITCH RECONDITIONING, RIGHT
	END CLEARING AND GRUBBING
	END PROJECT

ROAD NO. 4150 100

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. 4150
0+50	BEGIN DITCH RECONDITIONING, RIGHT
13+10	CLEAN CULVERT
	END DITCH RECONDITIONING, RIGHT
	BEGIN DITCH RECONDITIONING, LEFT
18+51	CLEAN CULVERT
21+65	END DITCH RECONDITIONING, LEFT
	END PROJECT

ROAD NO. 4150 180

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4150100
	BEGIN CLEARING AND GRUBBING
	BEGIN ROAD RECONDITIONING
0+47	REMOVE EARTHEN BARRIER
12+57	END CLEARING AND GRUBBING
	END ROAD RECONDITIONING
	END PROJECT

ROAD NO. 4150 300-I

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. 4150
(0+32	BENSON CREEK)
1+90	CLEAN CULVERT
5+00	CLEAN CULVERT
34+84	CLEAN CULVERT
36+43	END PROJECT (ROAD 4150310)

ROAD NO. 4150 300-II

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT
	BEGIN DITCH RECONDITIONING, LEFT
3+80	END DITCH RECONDITIONING, LEFT
	END PROJECT

ROAD NO. 4150 310

STA.	WORK DESCRIPTION
0+00	BEING PROJECT AT INT. 4150300
	BEGIN ROAD RECONDITIONING
0+12	REMOVE EARTHEN BARRIER
0+88	REMOVE EARTHEN BARRIER
2+83	CONSTRUCT DRAIN DIP
5+88	CONSTRUCT DRAIN DIP
(7+55	ROAD RIGHT)
12+80	CONSTRUCT DRAIN DIP
15+97	CONSTRUCT DRAIN DIP
30+60	CONSTRUCT DRAIN DIP
34+00	CONSTRUCT DRAIN DIP
34+69	END ROAD RECONDITIONING
	END PROJECT

ROAD NO. 4150 400

STA.	WORK DESCRIPTION
0+00	BEGIN PROJECT AT INT. RD 4150
2+62	BEGIN DITCH RECONDITIONING, LEFT
4+00	CONSTRUCT DRAIN DIP
	END DITCH RECONDITIONING, LEFT
6+65	CONSTRUCT DRAIN DIP
8+86	CONSTRUCT DRAIN DIP
10+00	END PROJECT (AT INT. RD RIGHT)

ROAD NO. 4200 103

STA.	WORK DESCRIPTION
(0+00	ROAD BEGINS AT 4200100)
17+67	BEGIN PROJECT
	BEGIN ROAD RECONDITIONING
18+23	REMOVE EARTHEN BARRIER
19+78	CONSTRUCT DRAIN DIP
22+13	CONSTRUCT DRAIN DIP
24+27	CONSTRUCT DRAIN DIP
27+38	CONSTRUCT DRAIN DIP
31+39	END ROAD RECONDITIONING
	END PROJECT

ROAD NO. 4205 110

STA.	WORK DESCRIPTION
0+00	ROAD BEGINS AT INT. STATE HWY 20
	BEGIN PROJECT
0+25	CONSTRUCT DRAIN DIP
	CONSTRUCT 15' LEAD OFF DITCH, RIGHT
0+51	CONSTRUCT DRAIN DIP
	CONSTRUCT 15' LEAD OFF DITCH, RIGHT
7+09	CONSTRUCT DRAIN DIP
14+79	CONSTRUCT DRAIN DIP
23+35	CONSTRUCT DRAIN DIP
27+47	CONSTRUCT DRAIN DIP
31+55	CONSTRUCT DRAIN DIP
36+45	CONSTRUCT DRAIN DIP
40+48	CONSTRUCT DRAIN DIP
42+94	CONSTRUCT DRAIN DIP
53+71	EXISTING CULVERT; BEGINNING AT APPROX. STA 53+61, WIDEN ROAD 1' ON EACH SIDE TO APPROX. STA. 53+81
70+37	CONSTRUCT DRAIN DIP
75+55	CONSTRUCT DRAIN DIP
76+63	END PROJECT